GrummanPlaneNews
October 4, 1985

New Composite Chopper Hovers For First Time

Grumman supplies composite parts for Bell ACAP

Bell Helicopter Textron's Advanced Composites Airframe Program (ACAP) helicopter hovered for the first time on August 30. The chopper did various 180- and 360-degree turns for some 20 minutes about 12 feet off the ground at Bell's facility in Arlington, Texas.

Nearly all of its structural parts are non-metallic and Grumman built a number of them. The Army set up the ACAP program to research and develop design and production techniques for the proposed composite utility helicopter, the LHX or Light Helicopter Experimental. The Bell ACAP design is competing against one by Sikorsky, which has already flown.

"The Army is anticipating a production program that could total 5,000 to 8,000 LHX helicopters," says Grumman ACAP program manager John Roman.

"Grumman fabricated about a third of the composite parts for the Bell helicopter," says Roman. "These include the cockpit and cabin floors, roof sections, engine firewalls, fuel bulkheads and more. In addition, Grumman designed the energy absorbing main and tail landing gear."

Composite parts are created with materials that are like cloth. But when they are hardened – "cured" is the technical term – with heat and pressure, they are lighter than metal and just as strong. The most noteworthy of the Grumman-built ACAP parts is the forward roof structure. Though this 10-foot long piece is flat on the bottom, it has an intricate, egg-crate framing on the top with two long spars extending forward. It's one solid piece. About 80 percent of it is made in one curing operation.

Designers believe that a composite helicopter would be less expensive to build than a metal chopper. Weight savings would provide additional payload capability and potential fuel savings as well. ■

Upwardly Mobile. *The Bell ACAP helicopter left the ground for the first time last month. Eighty-five percent of its structural parts are made of advanced composites; Grumman made about a third of them.*

Service Milestones

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Robert J. Kielbasa, Assy. (1)
Salvatore A. Barcia Jr., ILS Dig. Eng. (1)
Joseph Avanzato, ILS Elect. Pkg. (1)
Chris G. Spiros, ILS Sub-Sys. Engrg. (1)
John B. Rafferty, ILS Equip. Des. Eng. (1)
Thomas W. Allgaier, Details (2)
Aron Finn, Alodine (2)
Percy T. McAfee Jr., Assy. (2)
William F. Arnold, Mat'l. Supt. Cntl. (2)
Franklin S. Hamilton, Assy. Methods (2)
Josephine L. Giglia, Prod. Plann. (2)
Leslie E. Butz, Jig Detail & Sub-Assy. (2)
Biagio Favuzza, Jig & Fix. (2)
Leon J. Probitski, Maint. (2)
William L. McLean, Maint. (2)
Angelina C. McEnaney, Food Serv. (2)
John J. Stiers, Details (3)
Daniel Smallwood Jr., Alodine (3)
William Orito, Parts Paint (3)
Rudolf M. Raudvere, Assy. (3)
Alfred L. Porter, Mat'l. Coord. (3)
Richard J. Longwell, Mech. Insp. (3)
Jack E. Martin, ILS Sys. Concepts (4)
Kenneth E. Rafuse, Air Traf. & Radio Comm. (4)
Thomas W. Downs, Mech. Insp. (4)
Joseph G. Bianchino, Struct. Des.(5)
Bruce E. Yberg, Proposal Ops. (5)
Joseph B. Rosner, Corp. Inst. Syst. (5)
Frank F. Albanese, Qual. Ops. Mgmt. (5)
Ernest G. Wilson Jr., Prod. Dev. Center Mgt. (5)
Vitaliano F. Simoneschi, Conf. Data. Mgmt. (5)
William H. Arnzen, Instr. Test (6)
Nicholas R. Filloramo, A6/EA6B Teardown (6)
Paul A. Faulkner, A6/EA6B Fuel-DA (6)
Frederick J. Basel, F-14 Join (6)
Edward J. Wick, Struct. Sys. Prod. (6)
Robert E. Chapman, Flt. Ops. (7)
Robert L. Derabertis, Flt. Avion (7)
Gail Work, Air Traf. & Radio Comm. (7)
Daniel J. Eynard, Flt. Ops. Insp. (7)
Ben Steinberg, Sys. Reliab. Anal. (9)
Robert L. Carri, LAVI Wings (9)
Peter J. Wolski, Qual. Eng. (10)
Leroy Ladson, Maint. (12)
Allan V. Brooks, Maint. (12)
Salvatore J. Stracquadaini, Adv. Mat'l. Process. Dev. (12)
Henry Grzeta, Meas. Stds. Lab. (12)
Allen V. Svoboda, Meas. Stds. Lab. (12)
Alfred J. Schwarz, Meas. Stds. Lab. (12)
Salvatore A. Sperrazza, Simul. Syst. Ops. (14)
Charles L. Parker, Repro. Serv. (15)
John F. Downing, ILS Tech. Writing (15)
Fritz E. Kerpa, ILS Qual Assur. (15)
Mary E. Zuk, Repro. Serv. (17)
George D. Small Jr., Mat'l. Hand. Sys. (17)
Harry B. Hulse, Trans. (20)
Joseph Illari, Trans. (20)
John F. Brown, Mfg. Sch. (25)
Milton Lichaw, ILS Res. Cont. (25)
Ira Rubin, ILS Ops. Supt. (25)
Thomas A. Costa, Sys. Dev. & Integ. Mgmt. (25)
Domenick F. Pagnozzi, Prog. Cont. (25)
Chester Jurusik, Reqts. Plann. (30)
Thomas N. Telera, Reqts. Plann. (30)
Louis D. Willen, Gen. Sub-Cont. (30)
Gerald F. Manley, Mat'l. Mgmt. (30)
Edward J. Calhoun, Prog. P.C. & B (30)
Daniel Gayle, Sys. & Cont. (31)
Edward J. Rumpf, Sys. Ops. & Res. (35)
Fortunata V. Altmayer, Software Sys. Mgmt. (35)
Benjamin J. Pernick, Sys. Sci. (35)
Herman I. Rodenburg, Research Tech. Supt. & Ops. (35)
Martin Klugman, ILS Sub-Syst. Eng. (39)
John C. Gardella, Veh. Draft. (40)
Charles A. Magrath, Ops. Supt. (40)
Fred J. Reynolds, ILS Auto Cir. Anal. (43)
Edward W. Whitlow, Flt. Avion. (43)
Kenneth J. Gregory, Flt. Avion. (43)
Richard J. Harbison, Flt. Avion. (43)
Cephas P. Pope, Elect. Cable Fab. (43)
Joseph H. Cook, Prod. Supv. (43)
Arthur J. Sherry, Meth. Eng. (43)
Joseph Ciezkowski, Meth. Eng. (43)
Anthony Petrone Jr. Meth. Eng. GSE (43)
Orlando B. Capodieci, Insp. Mech. (43)
Vincent Iacopelli, Avion. Purch. (44)
William C. Hons, Invent. Mgmt. (44)
James A. Romanski, Prog. Plan. & Cont. (66)
Salvatore F. D'Ambrosio, Proj Coord. (66)
George H. LeDoux, Prog. Mgmt. (77)
Frederick W. Brooks, Qual. (77)
David Nutt Jr., E-2C Wings/F-14 Weapons (77)
Robert D. Atkinson, E-2C Wings/F-14 Weapons (77)
William J. Weremeichik, F-14 Aft. Sect. Assy. (77)
Gus. G. Vasil, Mfg. Est./Budg. (77)
Philip J. Sameck, Mat'l. Mgmt. (77)
Clifford M. Smith, Sub-Assy. (77)
Robert Hansen, Boeing Maj. Sub-Assy. (77)
James L. Flowers, Prog. Mgmt. (77)
William F. Neuner Jr., Prod. (88)
Frank Angrisani, ILS Test Prog. Mgmt. (106)
Robert B. Carlin, ILS Dig. TPS Eng. (106)
Clifford E. Miller, ILS Prog. Cont. Mgt.(106)
Mary A. Payne, ILS Res. Cont. (106)
Robert A. Byrne, Adv. Prog. (106)
Kenneth W. Parvin, Struct. Des. (107)
Manuel F. Nash, ILS Prog. Mgmt. (110)
Clifford F. Lennon, Software Sys. Proj. Mgt. (110)
Victor Star, ILS Dig. TPS Eng. (110)
Joseph J. Feeney, ILS Prog. Cont. Mgmt. (110)
John J. Carberry, ILS Auto. Cir. Anal. (110)
Lawrence J. Fortier, ILS Equip. Des. Eng. (110)
Thomas R. Kuhn, Electro-Mech. Line (110)
Charles J. Hanft, Avion. Des. Proj. Mgmt. (110)
William T. Siino, Sys. Cont. (110)
Kenneth R. Sullivan, ILS Equip. Des. Eng. (112)
Arthur A. Levasseur, Test Ops. (112)
Bart W. Collins, ILS Dig. TPS Eng. (118)
Fred R. Golder, ILS Equip. Des. Eng. (118)
Daniel M. Zunitch, ILS Equip. Des. Eng. (118)
Robert E. Hughes, Site Mgmt. (209)
Walter Sidoruk, Human Factors, (214)
Louis E. Klein, Fld. Admin. & Lia. (274)
Anne E. Kelley, Doc. Processing (GHQ)
Roy V. Mongelli, I.R.M. Bus. Ops. (GHQ)
Harry P. Stuckey Jr., I.R.M. Info Process (GHQ)
Robert J. Brown, Bus. Mgmt. & Anal. (GHQ)
John W. Lang, Grumman Inter'l. (GHQ)
James Jones, Grumman Houston

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Walter Satora, Mech Struct. & Proto. (2)
Ivory T. Lewis, Mech. Struct. & Proto. (2)
Dusan Lezaja, Conven. Mach. (3)
George R. Koelsch, EF-111 Struct. Mod. (6)
Harry B. Cohn, ILS Tech. Writing (15)
Umbert J. Anglisano, Mfg. Ops. (43)
Alphonso C. Coleman, E-2C Wings/F-14 Weapons (77)
Donald Y. Aoki, Eng. (88)
William H. Hayes, Support (88)
Lillian A. Emma, Sub. Secretarial Prog. (111)

Hobbyists Show Us Your Best

Put the finishing touches on your projects, hobbyists. The 1985 Recreation Hobby Show takes place October 24-27.

The show will be held in the Recreation building. Entries will be accepted October 21-23. Contact Recreation, Ext. (111) 52133 for details. Grummanites in Calverton can enter their handiwork by contacting Eileen Styles, Ext. (117) 6557; in Great River, contact Loretta Fogarty, Ext. (113) 6044.

Scorecard

Face-off

Grumman Recreation is sponsoring a trip to Philadelphia for the Islanders vs. Flyers game on Sunday, November 17. The $35 package includes roundtrip bus transportation, breakfast, a ticket to the game, and a stop at the Tropicana Hotel in Atlantic City.

Recreation also has plenty of tickets available for upcoming Islander hockey games. Home games tickets are for October 22 (vs. Vancouver) and October 29 (L.A.); November 2 (Washington), November 5 (Calgary), November 9 (N.J.); December 7 (Quebec), and January 2 (Boston). Tickets are on sale for $13; there are $17.50 tickets available for some games. Stop by the Recreation Office in Plant 28A or call (111) 52133 for more information.

Choo-choo Heaven

Visit the Recreation building on South Oyster Bay Road in Bethpage on the weekend of October 26-27 from 1:30-3:30 p.m. and see one of the most remarkable model railroads anywhere. The Grumman Model Railroad Society is holding open house that weekend, and on Wednesday, October 30, from 5-8:30 p.m. Everyone is invited.

Golfers Do It Again

That's two in a row for the members of the Grumman varsity golf team. They won their second straight Eastern States Industrial championship, and their fellow Grummanites on squad B brought home the second place trophy for good measure.

Industrial teams came from as far away as Maine to play in this 36-hole tournament held on August 24-25 at Edgewood In The Pines golf course in Drums, Pennsylvania.

Tom Fitzgerald led all tourney golfers with a 153. He joined Grummanites Jim Alverson (157), Jeffrey Pecht (158) and Gene Piwowar (159), to win by 12 strokes.

Jim Minsky with a 156 was the top scorer in that second place Grumman foursome, which included Mike Lonto (157), Gene Silverstone (161) and Joe Gambino (165). Minsky had the second best gross score for the tournament.

In fact, it was a Grumman sweep. Minsky also won the longest drive competition and Silverstone took home the closest-to-the-pin trophy.

All in one

Here are two 19th hole stories.

Frank Maslak of Salary Administration says he was lucky. "I just closed my eyes and swung an eight-iron." Maslak hit it well enough to ace the 148-yard par-three third hole at Island's End, in Greenport, Long Island.

George Stephen, playing in the Gulfstream Service Center League, never saw his tee shot drop in on the 175-yard second hole at the Bergen Point Golf Course in Babylon, Long Island. "I bent down to pick up my tee," he says, "and when I looked up, the guys on the green were jumping around and pointing to the hole."

Fall Getaways

It's time to plan your autumn and winter vacation getaways.

Recreation has planned three trips for November. One is a bus tour of Florida, from November 6 to 14. Included in the vacation package are motel accommodations for eight nights, two dinners, one breakfast, and admission to Disney World and the Epcot Center.

Grumman retirees will be able to attend the retirees reunion dinner on November 8 and the November 9 Stuart Operations picnic. There is also an optional tour of the Kennedy Space Center on November 9. The cost of the trip is $375 per person, double occupancy.

If you just want a great weekend, try the Brown's Hotel Festival in the Catskills, N.Y., November 15-17. For $193 per person (double occupancy), you get bus transportation, two nights accommodations, six gourmet meals, cocktail parties, and entertainment.

How about an Atlantic City/Penn Dutch/Philadelphia weekend, November 21-24? On this trip you'll tour Philly, go to the racetrack, visit a casino and more. The price is $250 per person, double occupancy.

You can get in the holiday spirit by taking in Radio City Music Hall's Christmas Show '85 on December 5. The bus will leave at 9 a.m. to get you to the 11 a.m. show. The $43 per person price includes lunch at Mama Leone's. Or, for $31, you can wander amid the holiday sights of Manhattan and skip lunch.

Finally, ring in the new year with a splash at Niagara Falls. There's plenty of activity included in this trip, which starts on December 30 and ends January 1. It costs $215 per person, double occupancy.

All Grumman-sponsored bus trips leave from the overflow parking field on the west side of South Oyster Bay Rd. in Bethpage, just south of the railroad. Reservations are now being taken for all these trips at the Recreation Office in Plant 28A. Call Ellen Drasser, Ext. (111) 52133 for additional information.

Candlelight Bowling

Grumman Recreation's candlelight bowling is a popular night out so get your tickets early. The event will be held at Plainview Bowl on November 2, starting at 7 p.m., and there's room for only 100 people. The price is $7.50 per person.

Hoopsters Invited

The Grumman varsity basketball team is holding tryouts this month on Tuesdays and Thursdays at the First Presbyterian Church, 474 Wantagh Avenue in Levittown from 5 to 7 p.m. Only full-time Grummanites are eligible. Call Mike Cherry, Ext. (111) 52133 for more information.

Soccer Varsity Is Off And Running

If you like to watch winners in action, come out to watch the Grumman varsity soccer team. The team is off to a 2-0 start this season.

The Tomcats got two goals from right winger John Piaggione when they defeated an Oyster Bay team 3-2 on September 8th. John Nasta kicked in the winning goal.

They then played another close game, this time against a Farmingdale squad. "The only goal in the first half came on a direct kick," says Jeff Wilbert. "Gene Capobianco put a 30-yard shot over the goalie and into the net."

Wilbert, who recently came off the team's injured list, put his foot into a corner kick from Piaggione in the second half to give his team the winning goal.

Tomcat home games are slated for October 27, November 3, 10 and 24, and December 15. Action takes place on the field behind Guard Headquarters in Bethpage. Call Grumman Recreation – Ext. (111) 52133 – for start times.

Vanpools

Van Pool Members Wanted: Originating in Setauket at 6:15 a.m. Providing service through Stony Brook, St. James, Smithtown and Commack. Arrive Bethpage area at 7:45 a.m. For Info. call Phil Manitt/Betty Fallon, Ext. (111) 56409/59271.

Calendar

AIAA: Thurs., Oct. 24, Antun's, Hicksville, 5:30 p.m. Joint meeting with ASME. Topic: "National Aeronautical R&D Goals." Guest speaker will be Robert E. Bower, Assoc. Director NASA Langley Research Center. Guests welcome. Roz Brown, Ext. (111) 53458.

Aikido Club: (Martial Arts) every Wed., 5 p.m., Recreation Bldg. Black belt instructors; beginners class. Guests welcome. M. Brooks, 391-6157; H. Brondo, Ext. (111) 56472.

Alcoholics Anonymous: every Mon., 4:30 p.m., Plant 15 conference room C, closed meetings; Personnel Relations, Ext. (111) 53521.

Great River: every Wed., 4-5 p.m., T. Conley, Ext. (111) 53521.

Calverton: Chemical Dependency Discussion Group, Mon., 4-5 p.m., Flt. Test Center, new conference room, Personnel, 369-6759; C. Robb, Ext. 117-7038.

Amateur Radio Club: every 3rd Wed. of the month, Plant 25 conference room, 5 p.m. Martin Miller, Ext. (111) 50480.

American Production and Inventory Control Society: Tues., Oct. 29, Musicaro's, Melville, 6 p.m. Technical presentation "CIM – A Review from the Top." Guests welcome, Norm Heilweil, Ext. (111) 52250.

American Society of Mechanical Engineers: Sat., Oct. 19, Guided tour, Cradle of Aviation Museum, Mitchell Field. Meeting Thurs. Oct. 24, Antun's, Hicksville, 5:30 p.m. Call for reservations, Tony Fresco, 282-7214.

Baseball Card Club: first Wed. of every month, 12-12:30 p.m. Plant 25 conference room. S. Froehlich, Ext.(111) 52508.

Chess Club: every Fri., Recreation Bldg., 5 to 11 p.m. K. Marley, Ext. (111) 54901; N. Corso, Ext. (111) 59600.

Coin Club (Bethpage): every second and fourth Wed. of the month, Plant 25 conference room, 12:05 p.m. Peter Cassese, Ext. (111) 57703.

Coin Club (Calverton): every Fri., lunchtime, Plant 6, A-6 Action Center conference room. N. Evangelides, Ext. 117-7242.

Computer Club: 1st Mon. of the month, Recreation Bldg., 7 p.m. J. Hayne, Ext. (111) 54945/H. Baluta, Ext. (111) 50389.

Dance Club: every Wed., 5-8 p.m., Recreation Bldg. Guests welcome. S. Koppell, Ext. 115-3800.

Disabled American Veterans: Wed., Oct. 16, Plant 3 cafeteria, 4 p.m. O. Lewis, Ext. (111) 54476.

Duplicate Bridge Club: every Thurs., Recreation Bldg., 6 p.m. Sid Stone, Ext. (111) 59854.

Equestrian Club: every weeknight, Knoll Farm, Brentwood, 6 p.m. P. Morrison, Ext. (111) 57505.

Family Campers: Monthly meeting first Sunday of each month, Recreation Bldg., 5 p.m., guests welcome. Al Ellensohn, Ext. (111) 50597.

Fencing Club: every Wed., 4:45-6:30 p.m., Recreation Bldg. J. Hayne, Ext. (111) 54945/P. Chaldaris, Ext. (111) 53486.

Folk Dancers Club: (Calverton): every Thurs., 2nd floor, Plant 6, lunchtime. J. Hammelman, Ext. (117) 6835.

French Club: second and fourth Wed. of each month, 108 North Windhorst Ave., Bethpage, 5:30 p.m. Louis Kaufman, Ext. (111) 52323.

GACE Flying Club: Mon., Oct. 21, BOCES Bldg., Hicksville, 5:15 p.m. Bob Schulte, Ext. (111) 50682.

Karate Club: every Tues. and Thurs., Recreation Bldg., beginners 4:30 to 5:30 p.m., advanced 5:30 to 7 p.m. New students at the beginning of each month. T. Ortiz, Ext. (111) 58497.

Klown Klub: second Tues of each month, Recreation Bldg., 4:15 p.m. M. Deyns, Ext. (111) 57564.

Magic Club: last Wed. of month, the Magic Shop, Mid-Island Plaza, Hicksville, 4:45 p.m. M. Lichaw, Ext. (111) 56114.

Model Railroad Society: every Wed., 7 p.m., Recreation Bldg. R. Muntz, Ext. (111) 56865.

National Contract Management Association (NCMA): Tues., Oct. 15, Musicaro's, Melville, 4:30-5:30 workshop. Dinner 6 p.m., for information call Carmen Encizo/Bill Stanton, Ext. 116-6062

Professional Secretaries International (PSI): Tues. Oct. 8, Auditorium, concourse level, GHQ, 5 p.m. Organizational meeting, all are welcome. E. Jiran/M. Theisen, Ext. (111) 58827/56215.

Retiree Club: Wed., Oct. 30, Crest Hollow Country Club, Anniversary Luncheon, Noon. Advance ticket sales only. For Info call Bob Morace, 935-1845.

Robotics International of the Society of Manufacturing Engineers L.I. Chapter: Mon., Oct 28, FESTO Corp., Hauppauge, 7 p.m. Program will be Pneumatic/Electronic Automation Workshop & Seminar. For info. call Phil Cancellieri, Ext. (111) 56032.

Roller Hockey Club: Sun., 1 p.m. For information call Arnie Pritchett, 934-8402.

Roller Skating Club: Thurs., Levittown Skating Rink, lessons from 6:30 to 7:30 p.m. H. Denen, Ext. (111) 52291.

Ski Club: Tues., Oct. 8 & 22, Sitar Restaurant, Melville, 8:30 p.m. Art Garmendia, Ext. (111) 57819/58910.

Stamp Club: first three Wed. of month, 5-6 p.m., Plant 35 cafeteria. S. Hoops, Ext. (111) 53926.

Table Tennis: Fri., Recreation Bldg., 4 p.m., and on Sunday at 9 a.m. Open to all. Jim Pope, Ext. (111) 53008.

Tennis Club: third Wed, Recreation Bldg., 5 p.m. Peter Hatcher, Ext. (111) 52085.

Tap Dancing Club: Mon., Recreation Bldg., beginners 4:30 to 5:30 p.m., intermediate 5:30 to 6:30 p.m. P. Tropea, Ext. (111) 53235.

Theater Guild: first Tues. of each month, Annies Restaurant, Bethpage, 5:30 p.m. Tom Dalton, Ext. (111) 51825 /Marian Stange, Ext. (111) 59668.

Toastmasters Club: Wed., GHQ, third flr. conference room A, 5-7 p.m. Bill Ptucha, Ext. (111) 55457/Dick Maemone, Ext. (111) 55503.